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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/549,347 | 09/14/2005 | Norbert Lesch | DE 030084 | 6708 |

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EXAMINER

VU, JIMMY T

ART UNIT PAPER NUMBER

2821

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS | 04/30/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/549,347

Applicant(s)

LESCH ET AL.

Examiner

Jimmy T. Vu

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 12 is/are rejected.
- 7) ☒ Claim(s) 9-11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 9/14/05
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-8 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (U.S. Patent 6,459,203) in view of Vrionis et al. (U.S. Patent 5,397,966).

Regarding claim 1, Kim discloses a lamp apparatus as shown in Figs 4-7 with a discharge vessel (2, column 2, line 60), electrodes (2a, 2b, column 2, lines 62-63) projecting into the discharge vessel (2), a screening (6, column 2, line 60) which screens the discharge vessel (2) and comprises connection means (4, 5, column 2, lines 64-65, 8, column 3, line 42) for providing an at least high-frequency connection between the screening (6) and a screening (1) of an electrical system used for operating the gas discharge lamp (2) so as to form a coaxial (wire) screening system enclosing the discharge vessel (in side the screening (6)) with the electrodes (2a, 2b) during operation of the gas discharge lamp (2).

Kim does not specific disclose the screening (6) being screened by a translucent electrical conductor material.

Vrionis shows a discharge lamp having an envelop (6) screened by a conductive translucent material (10, column 5, line 68, column 6, lines 65-66).

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Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have a material as an translucent electrical conductive used for screening as taught by Virionis employed in the apparatus of Kim in order to provide a shielding characteristic and prevent electromagnetic radiation.

Regarding claim 2, the combination of Kim and Vrionis discloses the housing (6) (Fig. 4 of Kim) acts as an outer bulb surrounding the discharge vessel (2) (Fig. 4 of Kim), and the screening comprises a grid structure of conductive material (screening 10 in Fig. 3, col. 5, line 67 to col. 6, lines 1-7 of Vrionis) arranged in a wall of outer bulb (Fig. 3 of Vrionis).

Regarding claim 3, the combination of Kim and Vrionis discloses the screening (10) (Fig. 3 of Vrionis) has an at least high-frequency connection (2a, 2b) (Fig. 4, col. 2, lines 60-65 of Kim) to the screening of the electrical system used for operating the gas discharge lamp in two mutually opposed locations (opposite in the long side in Fig. 4 of Kim) of the gas discharge lamp during operation thereof.

Regarding claim 4, Kim discloses at least one of the electrodes (2a, 2b) (Fig. 4) is electrically connected to a supply line (3a, 3b, 3c) (col. 2, lines 6-65) comprising a screening (1) (Fig. 4), and the screening (6) (Fig. 4) of the gas discharge lamp is connected with electrical conduction to the screening of said supply line (3) (Fig. 4).

Regarding claim 5, Kim discloses by a supply line (3) extending inside the screening (6) connected to one of the electrodes (2a, 2b).

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Regarding claim 6, Kim discloses the screening (6) connected with electrical conduction to a screening (1) of a lamp holder (8) during operation of the gas discharge lamp.

Regarding claim 7, Kim discloses the screening (1) serves as a supply line and electrically connected to one of the electrodes (2a, 2b).

Regarding claim 8, Kim discloses the electrode (2a, 2b) connected to a supply line (3a, 3b, 3c), which is arranged in parallel to the screening (6).

Regarding claim 12, Kim as disclosed in column 1, lines 18-22 that the lamp apparatus being capable of used in a headlight or luminaire.

Allowable Subject Matter

3. Claims 9-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

None of the prior arts teaches or suggests or obvious in combination of a light emitting display, particularly, "an inductive element included in the additional line, the screening of the gas discharge lamp is coupled to the screening of the lamp holder via a capacitive component, and the screening is connected to the other electrode via a capacitive component" (claims 9-11).

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Information Disclosure Statement

4. The references listed on the information disclosure statement submitted on 09/14/2005 have been considered.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Scholz (U.S. Patent 6,198,223) is cited.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy T Vu whose telephone number is (571) 272-1832. The examiner can normally be reached on M - F: 9 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on (571) 272-1662. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2800.

Jimmy Vu

April 01, 2007

Douglas W. Owens 4/2/07

DOUGLAS W. OWENS
SUPERVISORY PATENT EXAMINER